

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/AU03/00910

**A. CLASSIFICATION OF SUBJECT MATTER**

Int. Cl. 7: C07K 19/00; A61K 39/00, 39/21, 39/245, 39/29

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Databases: medline, ca, wpids, biosis, biotechabs

Keywords: hydrophobic, epitope, polyepitope, polytope, shuffle, recombine, rearrange, reorder, relocate

Databases: GenPept, PIR, SwissProt, TrEMBL

Sequences: SEQ ID NOs: 1-5

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,070,126 A (KOKOLUS, W.J. <i>et al.</i> ), 30 May 2000	
A	WO 00/63693 A (KOKOLUS, W.J.), 26 October 2000	
A	DEAVIN, A.J. <i>et al.</i> , "Statistical comparison of established T-cell epitope predictors against a large database of human and murine antigens", Molecular Immunology (1996), vol. 33, no. 2, pages 145-155	

 Further documents are listed in the continuation of Box C See patent family annex

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

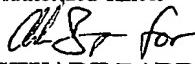
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search  
28 July 2003

Date of mailing of the international search report

- 7 AUG 2003

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<b>C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
<b>Category*</b>	<b>Citation of document, with indication, where appropriate, of the relevant passages</b>	<b>Relevant to claim No.</b>
A	WO 01/47541 A (EPIMMUNE INC.), 5 July 2001	
A	WO 96/03144 A (THE COUNCIL OF THE QUEENSLAND INSTITUTE OF MEDICAL RESEARCH <i>et al.</i> ), 8 February 1996	
A	WO 97/05164 A (CSL LIMITED <i>et al.</i> ), 13 February 1997	

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/AU03/00910**

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member				
US	6070126	NONE					
WO	200063693	AU	200046489	CA	2370760	EP	1179178
WO	200147541	AU	200126075	CA	2394748	EP	1242108
		US	2002119127	WO	2002083714		
WO	9603144	CN	1154069	AU	30723/95	CA	2195642
		EP	769963	NZ	290089	AU	47459/99
WO	9705164	AU	65102/96	CA	2228221	EP	840747
		NZ	313108	NZ	334582	US	6365160
		ZA	9606381				
END OF ANNEX							